

Connecting via Winsock to STN

Welcome to STN International! Enter x:X

LOGINID:SSPTARXK1796

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	AUG 10	Time limit for inactive STN sessions doubles to 40 minutes
NEWS	3	AUG 18	COMPENDEX indexing changed for the Corporate Source (CS) field
NEWS	4	AUG 24	ENCOMPLIT/ENCOMPLIT2 reloaded and enhanced
NEWS	5	AUG 24	CA/CAPLUS enhanced with legal status information for U.S. patents
NEWS	6	SEP 09	50 Millionth Unique Chemical Substance Recorded in CAS REGISTRY
NEWS	7	SEP 11	WPIDS, WPINDEX, and WPIX now include Japanese FTERM thesaurus
NEWS	8	OCT 21	Derwent World Patents Index Coverage of Indian and Taiwanese Content Expanded
NEWS	9	OCT 21	Derwent World Patents Index enhanced with human translated claims for Chinese Applications and Utility Models
NEWS	10	NOV 23	Addition of SCAN format to selected STN databases
NEWS	11	NOV 23	Annual Reload of IFI Databases
NEWS	12	DEC 01	FRFULL Content and Search Enhancements
NEWS	13	DEC 01	DGENE, USGENE, and PCTGEN: new percent identity feature for sorting BLAST answer sets
NEWS	14	DEC 02	Derwent World Patent Index: Japanese FI-TERM thesaurus added
NEWS	15	DEC 02	PCTGEN enhanced with patent family and legal status display data from INPADOCDB
NEWS	16	DEC 02	USGENE: Enhanced coverage of bibliographic and sequence information
NEWS	17	DEC 21	New Indicator Identifies Multiple Basic Patent Records Containing Equivalent Chemical Indexing in CA/CAPLUS

NEWS EXPRESS MAY 26 09 CURRENT WINDOWS VERSION IS V8.4,
AND CURRENT DISCOVER FILE IS DATED 06 APRIL 2009.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN customer agreement. This agreement limits use to scientific research. Use for software development or design, implementation of commercial gateways, or use of CAS and STN data in the building of commercial products is prohibited and may result in loss of user privileges

and other penalties.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 14:21:49 ON 07 JAN 2010

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.44

0.44

FILE 'REGISTRY' ENTERED AT 14:22:50 ON 07 JAN 2010

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2010 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 6 JAN 2010 HIGHEST RN 1201136-14-2

DICTIONARY FILE UPDATES: 6 JAN 2010 HIGHEST RN 1201136-14-2

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 26, 2009.

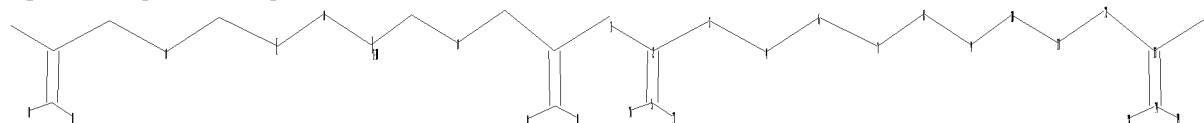
Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\STNEXP\Queries\10567430clm57.str



chain nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

chain bonds :

1-2 2-3 2-5 3-4 4-6 5-16 5-17 6-7 7-8 8-9 9-10 10-11 11-12 12-13
13-14 13-15 14-18 14-19

exact/norm bonds :

3-4 4-6 7-8 8-9 10-11 11-12

exact bonds :

1-2 2-3 2-5 5-16 5-17 6-7 9-10 12-13 13-14 13-15 14-18 14-19

Match level :

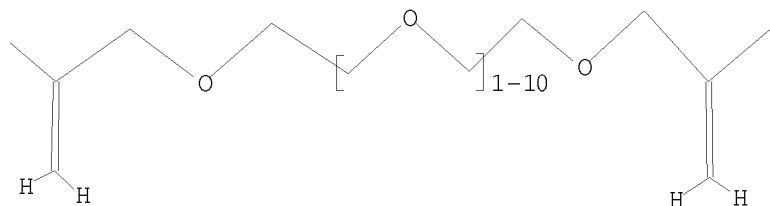
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:CLASS 11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS
18:CLASS 19:CLASS

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss sam

SAMPLE SEARCH INITIATED 14:23:35 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 1243 TO ITERATE

100.0% PROCESSED 1243 ITERATIONS

50 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 22745 TO 26975

PROJECTED ANSWERS: 5731 TO 7949

L2 50 SEA SSS SAM L1

=> s l1 sss full

FULL SEARCH INITIATED 14:23:43 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 24357 TO ITERATE

100.0% PROCESSED 24357 ITERATIONS

6488 ANSWERS

SEARCH TIME: 00.00.01

L3 6488 SEA SSS FUL L1

=> d scan

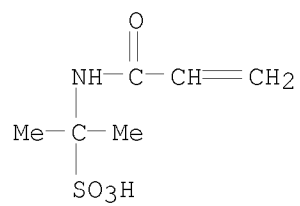
L3 6488 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN

IN INDEX NAME NOT YET ASSIGNED

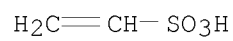
MF (C16 H26 O7 . C6 H14 O3 . C6 H11 N O4 S . C6 H10 O3 . C6 H9 N O . C5 H12
O4 . C5 H8 O3 . C3 H4 O2 . C2 H4 O3 S . Na)x

CI PMS, COM

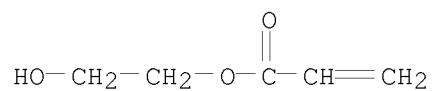
CM 1



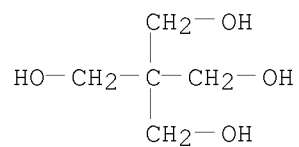
CM 2



CM 3

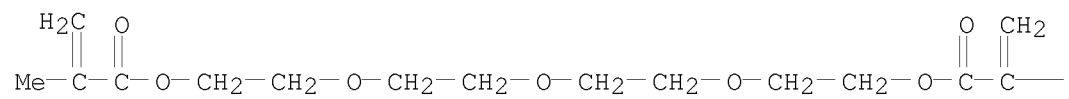


CM 4



CM 5

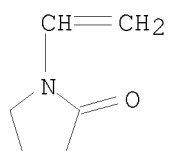
PAGE 1-A



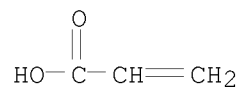
PAGE 1-B



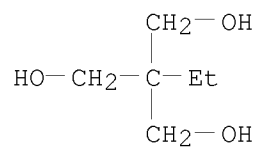
CM 6



CM 7

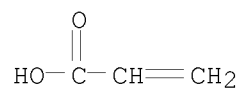


CM 8

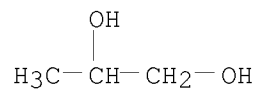


CM 9

CM 10



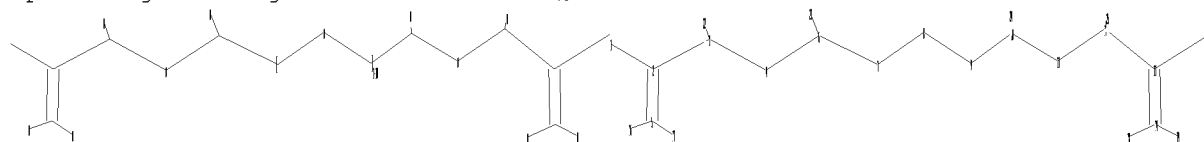
CM 11



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

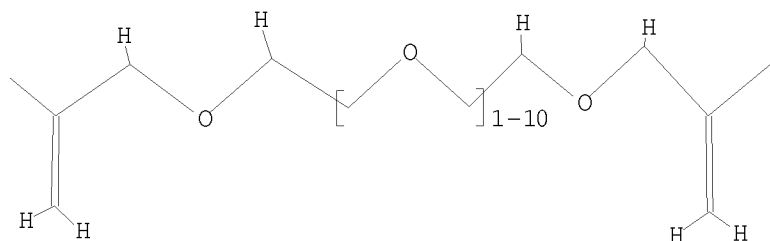
=>

Uploading C:\Program Files\STNEXP\Queries\10567430clm57a.str



```
Match level :
1:CLASS  2:CLASS  3:CLASS  4:CLASS  5:CLASS  6:CLASS  7:CLASS  8:CLASS  9:CLASS
10:CLASS 11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS
18:CLASS 19:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS
```

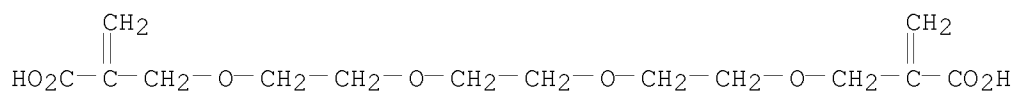
```
=> d 14
L4 HAS NO ANSWERS
L4                                STR
```



```
=> s 14 sss full
FULL SEARCH INITIATED 14:27:06 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -      24357 TO ITERATE
```

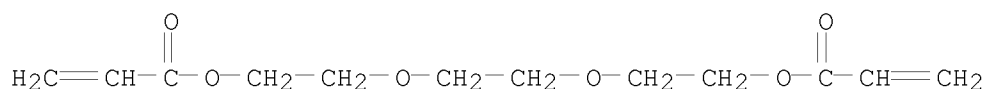
L5 18 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 4,7,10,13-Tetraoxahexadecanedioic acid, 5,8,11(5,9,11 or
6,9,11)-trimethyl-2,15-bis(methylene)-, polymer with
1,1'-[(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)]]
di-2-propenoate, silicic acid (H4SiO4) tetraethyl ester, and
3-(trimethoxysilyl)propyl 2-methyl-2-propenoate
MF (C17 H28 O8 . C15 H24 O6 . C10 H20 O5 Si . C8 H20 O4 Si)x
CI PMS

CM 1



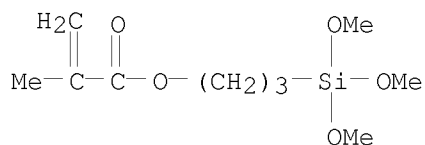
3 (D1-Me)

CM 2

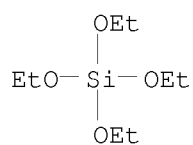


3 (D1-Me)

CM 3



CM 4



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

386.02

386.46

FILE 'CAPLUS' ENTERED AT 14:27:45 ON 07 JAN 2010

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2010 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available

for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 7 Jan 2010 VOL 152 ISS 2
FILE LAST UPDATED: 6 Jan 2010 (20100106/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Oct 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Oct 2009

Caplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2009.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d his

(FILE 'HOME' ENTERED AT 14:21:49 ON 07 JAN 2010)

FILE 'REGISTRY' ENTERED AT 14:22:50 ON 07 JAN 2010

L1 STRUCTURE UPLOADED
L2 50 S L1 SSS SAM
L3 6488 S L1 SSS FULL
L4 STRUCTURE UPLOADED
L5 18 S L4 SSS FULL

FILE 'CAPLUS' ENTERED AT 14:27:45 ON 07 JAN 2010

=> s 15

L6 15 L5

=> d 16 ibib abs hitstr

L6 ANSWER 1 OF 15 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2009:807515 CAPLUS
DOCUMENT NUMBER: 151:200375
TITLE: Organic-inorganic hybrid coating compositions
containing two functional acrylic monomers with good
optical properties and dispersability
INVENTOR(S): Jung, Hyeon Min; Kim, Yong Seok; Won, Jong Chan
PATENT ASSIGNEE(S): Korea Research Institute of Chemical Technology, S.
Korea
SOURCE: Repub. Korean Kongkae Taeho Kongbo, 10pp.
CODEN: KRXXA7
DOCUMENT TYPE: Patent
LANGUAGE: Korean
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
KR 2009071098	A	20090701	KR 2007-139304	20071227
KR 925852	B1	20091106		
PRIORITY APPLN. INFO.:			KR 2007-139304	20071227

AB Title coating compns. comprise (A) 10-90% two functional acrylic monomers
 $\text{HOOC}(\text{:CH}_2)\text{CH}_2\text{O}(\text{CH}_2)_m\text{OCH}_2\text{C}(\text{:CH}_2)\text{COOH}$ and
 $\text{HOOC}(\text{:CH}_2)\text{CH}_2\text{O}(\text{CHR}_1\text{CH}_2)_n\text{OCH}_2\text{C}(\text{:CH}_2)\text{COOH}$ and (B) 10-90% inorg.
precursors, wherein $\text{R}_1 = \text{H}$ or C1-12 alkyl; $m = 1-22$ integer; and $n = 0-22$
integer.

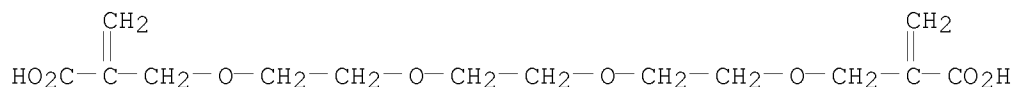
IT 1173995-41-9P 1173995-42-0P 1173995-44-2P
1173995-45-3P 1173995-49-7P
RL: IMF (Industrial manufacture); PRP (Properties); TEM (Technical or
engineered material use); PREP (Preparation); USES (Uses)
(organic-inorg. hybrid coating compns. containing two functional acrylic
monomers with good optical properties and dispersability)

RN 1173995-41-9 CAPLUS

CN 4,7,10,13-Tetraoxahexadecanedioic acid, 5,8,11(5,9,11 or
6,9,11)-trimethyl-2,15-bis(methylene)-, polymer with
1,1'-[(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)]]
di-2-propenoate, silicic acid (H_4SiO_4) tetraethyl ester, and
3-(trimethoxysilyl)propyl 2-methyl-2-propenoate (CA INDEX NAME)

CM 1

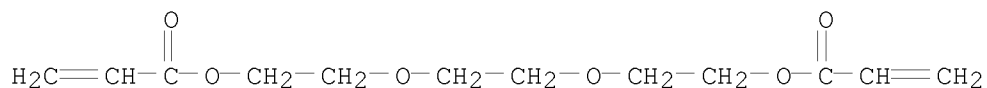
CRN 1173995-40-8
CMF C17 H28 O8
CCI IDS



3 (D1-Me)

CM 2

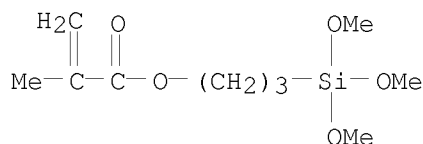
CRN 42978-66-5
CMF C15 H24 O6
CCI IDS



3 (D1-Me)

CM 3

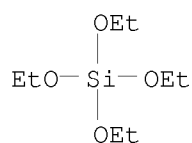
CRN 2530-85-0
CMF C10 H20 O5 Si



CM 4

CRN 78-10-4

CMF C8 H20 O4 Si



RN 1173995-42-0 CAPLUS

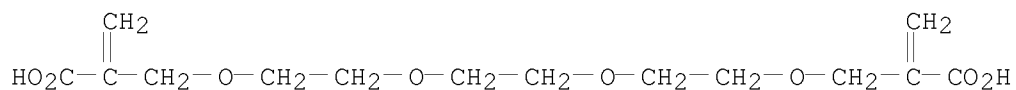
CN 4,7,10,13-Tetraoxahexadecanedioic acid, 5,8,11(5,9,11 or 6,9,11)-trimethyl-2,15-bis(methylene)-, polymer with 1-butanol titanium(4+) salt (4:1), 1,1'-[(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)]] di-2-propenoate, silicic acid (H₄SiO₄) tetraethyl ester, and 3-(trimethoxysilyl)propyl 2-methyl-2-propenoate (CA INDEX NAME)

CM 1

CRN 1173995-40-8

CMF C17 H28 O8

CCI IDS



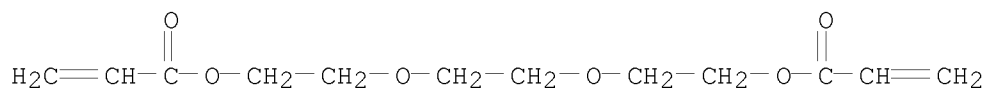
3 (D1-Me)

CM 2

CRN 42978-66-5

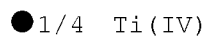
CMF C15 H24 O6

CCI IDS

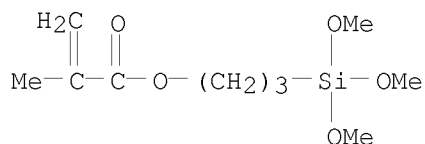


3 (D1-Me)

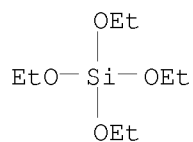
CRN 5593-70-4
CMF C4 H10 O . 1/4 Ti



CRN 2530-85-0
CMF C10 H20 O5 Si

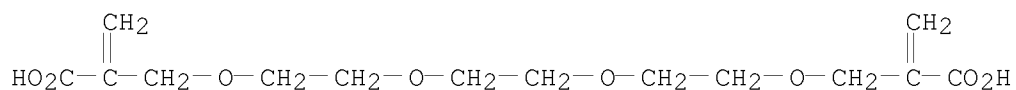


CRN 78-10-4
CMF C8 H20 O4 Si



RN	1173995-44-2	CAPLUS
CN	4,7,10,13-Tetraoxahexadecanedioic acid, 2,15-bis(methylene)-, polymer with 1,1'-[(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)]] di-2-propenoate, silicic acid (H4SiO4) tetraethyl ester, and 3-(trimethoxysilyl)propyl 2-methyl-2-propenoate (CA INDEX NAME)	

CRN 1173995-43-1
CMF C14 H22 O8

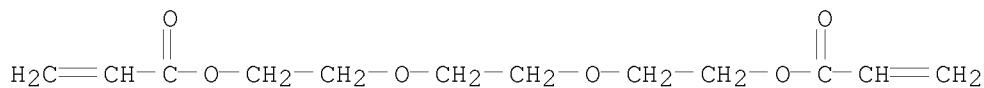


CM 2

CRN 42978-66-5

CMF C15 H24 O6

CCI IDS

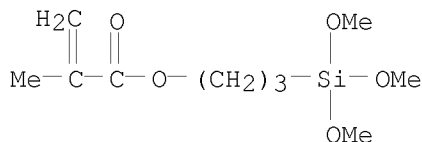


3 (D1-Me)

CM 3

CRN 2530-85-0

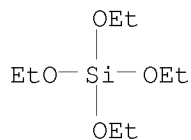
CMF C10 H20 O5 Si



CM 4

CRN 78-10-4

CMF C8 H20 O4 Si



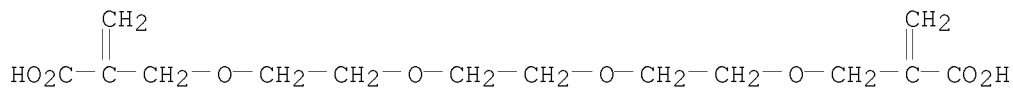
RN 1173995-45-3 CAPLUS

CN 4,7,10,13-Tetraoxahexadecanedioic acid, 2,15-bis(methylene)-, polymer with
1-butanol titanium(4+) salt (4:1),
1,1'-[(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)]]
di-2-propenoate, silicic acid (H4SiO4) tetramethyl ester, and
3-(trimethoxysilyl)propyl 2-methyl-2-propenoate (CA INDEX NAME)

CM 1

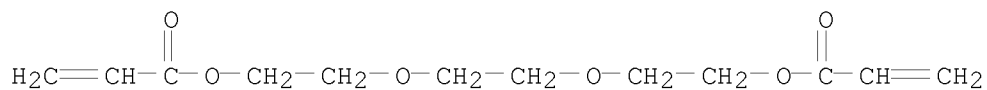
CRN 1173995-43-1

CMF C14 H22 O8



CM 2

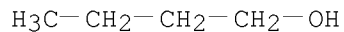
CRN 42978-66-5
CMF C15 H24 O6
CCI IDS



3 (D1-Me)

CM 3

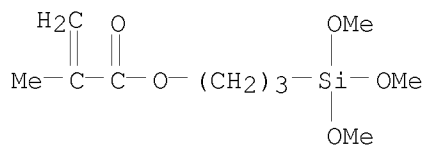
CRN 5593-70-4
CMF C4 H10 O . 1/4 Ti



● 1/4 Ti (IV)

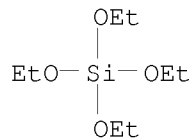
CM 4

CRN 2530-85-0
CMF C10 H20 O5 Si



CM 5

CRN 78-10-4
CMF C8 H20 O4 Si



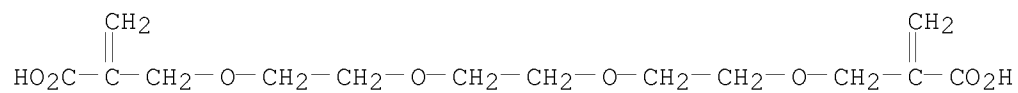
RN	1173995-49-7	CAPLUS
CN	4,7,10,13-Tetraoxahexadecanedioic acid, 5,8,11(5,9,11 or 6,9,11)-trimethyl-2,15-bis(methylene)-, polymer with 1-butanol titanium(4+) salt (4:1), silicic acid (H4SiO4) tetraethyl ester, and 3-(trimethoxysilyl)propyl 2-methyl-2-propenoate (CA INDEX NAME)	

CM 1

CRN 1173995-40-8

CMF C17 H28 O8

CCI IDS

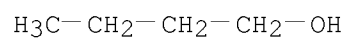


3 (D1-Me)

CM 2

CRN 5593-70-4

CMF C4 H10 O . 1/4 Ti

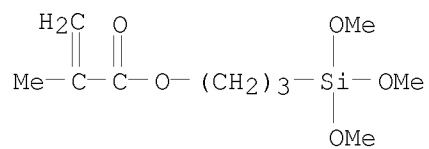


● 1/4 Ti (IV)

CM 3

CRN 2530-85-0

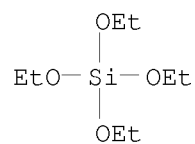
CMF C10 H20 O5 Si



CM 4

CRN 78-10-4

CMF C8 H20 O4 Si



=> d 16 ibib abs hitstr 2-15

L6 ANSWER 2 OF 15 CAPLUS COPYRIGHT 2010 ACS on STN
 ACCESSION NUMBER: 2008:1012782 CAPLUS
 DOCUMENT NUMBER: 149:269595
 TITLE: Electron beam-curable composition and producing cured coating, ink or adhesive
 INVENTOR(S): Kunita, Kazuto
 PATENT ASSIGNEE(S): Fujifilm Corporation, Japan
 SOURCE: U.S. Pat. Appl. Publ., 32pp.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20080200581	A1	20080821	US 2008-27648	20080207
JP 2008201889	A	20080904	JP 2007-39379	20070220
PRIORITY APPLN. INFO.:			JP 2007-39379	A 20070220

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

AB Producing an electron beam-cured coating includes forming on a substrate a layer of a curable composition that includes ≥ 1 compound $\text{CH}_2:\text{C}(\text{Q}_1)\text{CARbRaX}_1$ (I) and a step of curing the layer of the curable composition by irradiating with an electron beam. In I, Q_1 = cyano group or $-\text{COX}_2$ group, X_1 = H, organic residue, or polymer chain bonded to C atom CA via a heteroatom, or halogen, X_2 = H, organic residue, or polymer chain bonded to the carbonyl group via a heteroatom, or halogen, Ra and Rb = H, halogen, cyano group, or an organic residue, and X_1 and X_2 , Ra and Rb, and X_1 and Ra or Rb may be bonded to each other to form a cyclic structure. An example curable composition contained F 177 surfactant 0.03, cyclohexanone 20, and $\text{CH}_2:\text{C}(\text{COX}_2)\text{CH}_2\text{X}_1$ (X_2 = OEt; X_1 = $\text{OCH}_2\text{CH}_2\text{OCOMe}$) 10 parts.

IT 1047993-80-5P
 RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
 (electron beam-curable composition with good adhesion to PET substrate)

RN 1047993-80-5 CAPLUS

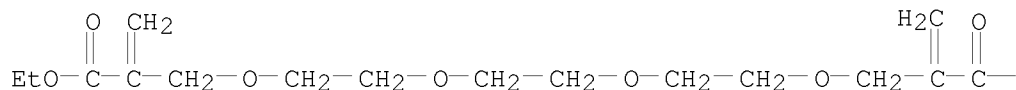
CN 4,7,10,13-Tetraoxahexadecanedioic acid, 2,15-bis(methylene)-, 1,16-diethyl ester, homopolymer (CA INDEX NAME)

CM 1

CRN 896113-18-1

CMF C18 H30 O8

PAGE 1-A



PAGE 1-B

— OEt

L6 ANSWER 3 OF 15 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2006:673215 CAPLUS
DOCUMENT NUMBER: 145:113448
TITLE: Radiation-curable ink-jet inks containing
ethylenically polymerizable crosslinking agents with
excellent storage stability and sensitivity,
lithographic plates using them, and their manufacture
INVENTOR(S): Sugai, Shoji; Kunita, Kazuto
PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 44 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2006182990	A	20060713	JP 2004-380665	20041228
PRIORITY APPLN. INFO.:			JP 2004-380665	20041228

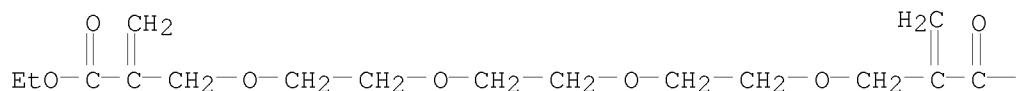
AB The inks contain polymerizable compds., colorants, and ≥ 1
crosslinking agents selected from those bearing 2 ethylenically
polymerizable groups and those bearing ≥ 3 ethylenically
polymerizable groups, thus giving wear-resistant hydrophobic images on
hydrophilic supports without a development process.

IT 896113-18-1
RL: TEM (Technical or engineered material use); USES (Uses)
(storage-stable radiation-curable ink-jet inks containing heteromethacrylic
crosslinking agents for lithog. plates with good wear resistant)

RN 896113-18-1 CAPLUS

CN 4,7,10,13-Tetraoxahexadecanedioic acid, 2,15-bis(methylene)-, 1,16-diethyl
ester (CA INDEX NAME)

PAGE 1-A



PAGE 1-B

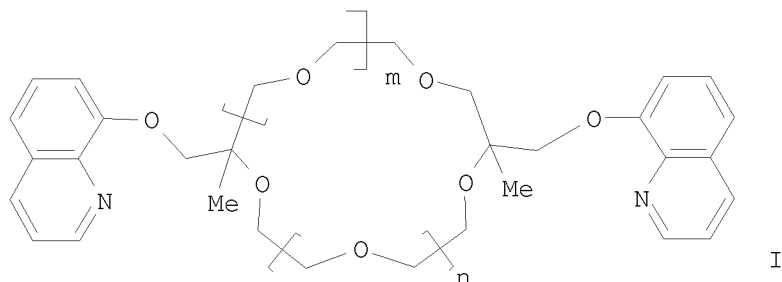
—OEt

OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD
(1 CITINGS)

L6 ANSWER 4 OF 15 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2002:639572 CAPLUS
DOCUMENT NUMBER: 138:106675
TITLE: Synthesis and complexing ability of a C-pivot type of
double-armed 15-crown-5 ethers toward alkali metal
cations
AUTHOR(S): Nakatsuji, Yohji; Muraoka, Masahiro; Kajiya, Hiroyuki;
Zhang, Wanbin; Kida, Toshiyuki; Ikeda, Isao
CORPORATE SOURCE: Department of Applied Chemistry, Faculty of
Engineering, Osaka University, Suita, 565-0871, Japan

SOURCE: Bulletin of the Chemical Society of Japan (2002),
75(8), 1765-1770
CODEN: BCSJA8; ISSN: 0009-2673
PUBLISHER: Chemical Society of Japan
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 138:106675
GI



AB Double-armed 15-crown-5 ethers I [$m = 0$, $n = 2$; $m = n = 1$; $m = 2$, $n = 0$] were prepd.as cis and trans isomers, and their complexation properties were evaluated by measuring the stability constant in THF, the extractability, and passive transport velocity. Cis isomers were much better host compds. toward alkali metal cations than trans isomers possibly because of the potential cooperative coordination of two electron-donating sidearms. All trans isomers showed almost the same stability consts. toward Na^+ and K^+ . On the other hand, in the case of cis isomers, the difference in the position of the two sidearms on the crown ring was found to remarkably affect the complexation properties toward alkali metal cations.

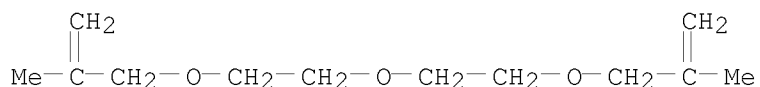
IT 91520-51-3

RL: RCT (Reactant); RACT (Reactant or reagent)

(synthesis of double-armed 15-crown-5 ethers and their complexing ability toward alkali metal cations)

RN 91520-51-3 CAPLUS

CN 1-Propene, 2-methyl-3-[2-[2-[(2-methyl-2-propen-1-yl)oxy]ethoxy]ethoxy]-
(CA INDEX NAME)



OS.CITING REF COUNT: 7 THERE ARE 7 CAPLUS RECORDS THAT CITE THIS RECORD (7 CITINGS)

REFERENCE COUNT: 38 THERE ARE 38 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 5 OF 15 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2000:495216 CAPLUS

DOCUMENT NUMBER: 133:252410

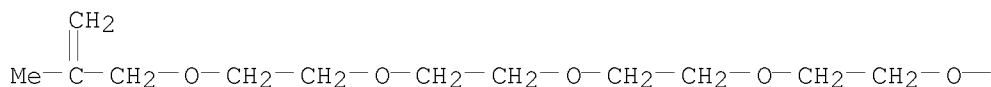
TITLE: A new and versatile access to poly-aza macro-heterocycles and cryptands through ring-closing bis(hydroaminomethylation)

AUTHOR(S): Kranemann, Christian L.; Eilbracht, Peter

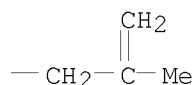
CORPORATE SOURCE: Universitat Dortmund, Fachbereich Chemie, Dortmund, 44227, Germany

SOURCE: European Journal of Organic Chemistry (2000), (13),
2367-2377
CODEN: EJOCFK; ISSN: 1434-193X
PUBLISHER: Wiley-VCH Verlag GmbH
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 133:252410
AB The Rh(I)-catalyzed hydroformylation of dienes in the presence of primary
amines or secondary α,ω -diamines was applied to
macroheterocyclic ring synthesis. Starting from (hetero)diallylic
systems, 12- to 36-membered polyheterocycles were readily obtained in
 $\leq 56\%$ yield. In addition, we show that the macrocyclic systems thus
obtained can be debenzylated and that the resulting macrocyclic diamines
undergo a second ring-closing bis(hydroaminomethylation) to give cryptand
systems.
IT 252848-01-4, Tetraethyleneglycol dimethallyl ether
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of poly-aza macro-heterocycles and cryptands through
ring-closing bis(hydroaminomethylation))
RN 252848-01-4 CAPLUS
CN 4,7,10,13,16-Pentaoxanonadeca-1,18-diene, 2,18-dimethyl- (CA INDEX NAME)

PAGE 1-A



PAGE 1-B



OS.CITING REF COUNT: 17 THERE ARE 17 CAPLUS RECORDS THAT CITE THIS
RECORD (17 CITINGS)
REFERENCE COUNT: 41 THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 6 OF 15 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2000:47611 CAPLUS
DOCUMENT NUMBER: 132:194099
TITLE: Bromofluorination of bis(allyl)polyoxyethylene glycol
ethers
AUTHOR(S): Mekni, Nejib; Hedhli, Ahmed; Baklouti, Ahmed
CORPORATE SOURCE: Laboratoire de Chimie Structurale Organique, Faculte
des Sciences de Tunis, Departement de Chimie, Campus
Universitaire, Tunis, 1060, Tunisia
SOURCE: Journal of Fluorine Chemistry (2000), 101(1), 1-4
CODEN: JFLCAR; ISSN: 0022-1139
PUBLISHER: Elsevier Science S.A.
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 132:194099
AB The bromofluorination of bis(allyl)polyoxyethylene glycol ethers has been
achieved by action of N-bromosuccinimide/triethylamine tris(hydrogen
fluoride). For the starting 2-methylallyl ethers, the addition reaction is
regioselective and only tertiary fluorine adducts were observed Under the

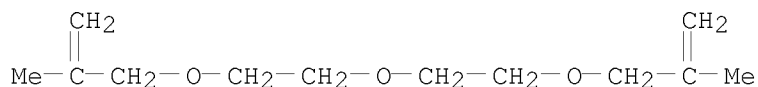
same conditions a mixture of addition and degradation products was observed from the nonbranched bis(allyl) ethers.

IT 91520-51-3 91520-52-4 252848-01-4
259795-83-0

RL: RCT (Reactant); RACT (Reactant or reagent)
(stereoselective preparation of bromofluoropolyoxyethylene glycol ethers via regioselective bromofluorination of bis(methylallyl)polyoxyethylene glycol ethers)

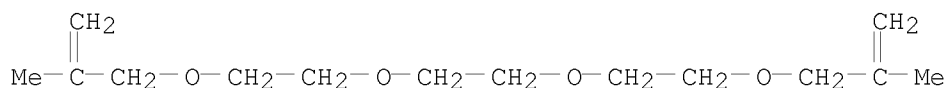
RN 91520-51-3 CAPLUS

CN 1-Propene, 2-methyl-3-[2-[2-[(2-methyl-2-propen-1-yl)oxy]ethoxy]ethoxy]-
(CA INDEX NAME)



RN 91520-52-4 CAPLUS

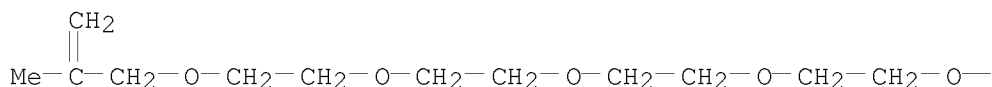
CN 4,7,10,13-Tetraoxahexadeca-1,15-diene, 2,15-dimethyl- (CA INDEX NAME)



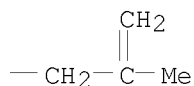
RN 252848-01-4 CAPLUS

CN 4,7,10,13,16-Pentaoxanonadeca-1,18-diene, 2,18-dimethyl- (CA INDEX NAME)

PAGE 1-A



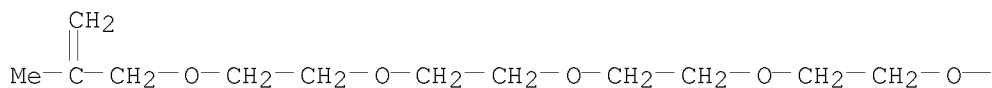
PAGE 1-B

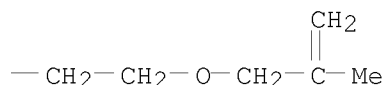


RN 259795-83-0 CAPLUS

CN 4,7,10,13,16,19-Hexaoxadocosa-1,21-diene, 2,21-dimethyl- (CA INDEX NAME)

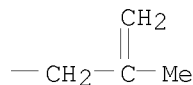
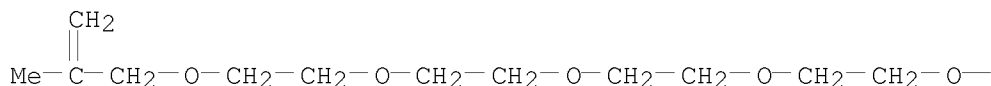
PAGE 1-A





OS.CITING REF COUNT: 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)
 REFERENCE COUNT: 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 7 OF 15 CAPLUS COPYRIGHT 2010 ACS on STN
 ACCESSION NUMBER: 1999:672157 CAPLUS
 DOCUMENT NUMBER: 132:49951
 TITLE: A new and versatile access to azamacroheterocycles via ring closing carbonylative hydroaminomethylation
 AUTHOR(S): Kranemann, Christian L.; Costisella, Burkhard; Eilbracht, Peter
 CORPORATE SOURCE: Fachbereich Chemie, Univ. Dortmund, Dortmund, D-44221, Germany
 SOURCE: Tetrahedron Letters (1999), 40(44), 7773-7776
 CODEN: TELEAY; ISSN: 0040-4039
 PUBLISHER: Elsevier Science Ltd.
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 132:49951
 AB The Rh(I)-catalyzed hydroformylation/reductive amination of dienes in the presence of α,ω -diamines is applied to macroheterocyclic ring synthesis. Starting from (hetero)-diallylic systems, 12- to 36-membered polyheterocycles are easily accessible.
 IT 252848-01-4
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (azamacroheterocycles via ring closing carbonylative hydroaminomethylation)
 RN 252848-01-4 CAPLUS
 CN 4,7,10,13,16-Pentaoxanonadeca-1,18-diene, 2,18-dimethyl- (CA INDEX NAME)



OS.CITING REF COUNT: 18 THERE ARE 18 CAPLUS RECORDS THAT CITE THIS RECORD (18 CITINGS)
 REFERENCE COUNT: 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 8 OF 15 CAPLUS COPYRIGHT 2010 ACS on STN
 ACCESSION NUMBER: 1997:713360 CAPLUS

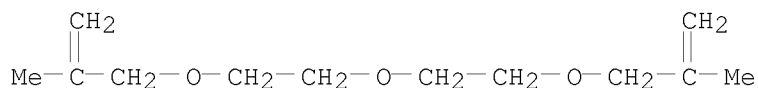
DOCUMENT NUMBER: 128:43030
 ORIGINAL REFERENCE NO.: 128:8279a,8282a
 TITLE: Synthesis of monoazacryptands and their excellent transport ability toward alkali metal cations in comparison with monoazacrown ethers
 AUTHOR(S): Nakatsuji, Yohji; Sunagawa, Takuya; Masuyama, Araki; Kida, Toshiyuki; Ikeda, Isao
 CORPORATE SOURCE: Department of Applied Chemistry, Faculty of Engineering, Osaka University, Suita, 565, Japan
 SOURCE: Journal of Inclusion Phenomena and Molecular Recognition in Chemistry (1997), 29(3-4), 289-299
 CODEN: JIMCEN; ISSN: 0923-0750
 PUBLISHER: Kluwer
 DOCUMENT TYPE: Journal
 LANGUAGE: English

AB The effects of transport conditions and the structure of monoazacrown ethers on their transport ability for alkali metal cations through a bulk liquid membrane were summarized and discussed based on transport data. To improve the transport ability, unsubstituted and N-substituted monoazacryptands were prepared. A lipophilic derivative consisting of two 18-crown-6 rings and one 20-crown-6 ring can selectively transport K⁺ from a mixture of Na⁺, K⁺, Mg²⁺, and Ca²⁺ under pH control in the absence of lipophilic anions. In particular, one monoazacryptand could sep. K⁺ from sea water at 445:1 K⁺-Na⁺ selectivity.

IT 91520-51-3
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (addition reaction and bromination of)

RN 91520-51-3 CAPLUS

CN 1-Propene, 2-methyl-3-[2-[2-[(2-methyl-2-propen-1-yl)oxy]ethoxy]ethoxy]-
 (CA INDEX NAME)



OS.CITING REF COUNT: 5 THERE ARE 5 CAPLUS RECORDS THAT CITE THIS RECORD (5 CITINGS)
 REFERENCE COUNT: 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 1995:468491 CAPLUS
 DOCUMENT NUMBER: 122:221127
 ORIGINAL REFERENCE NO.: 122:40275a,40278a
 TITLE: Cement dispersant composition for inhibition of slump loss
 INVENTOR(S): Honda, Susumu; Hara, Tadasi; Koyata, Hideo
 PATENT ASSIGNEE(S): W.R. Grace and Co., USA; NOF Corp.
 SOURCE: Eur. Pat. Appl., 13 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 619277	A1	19941012	EP 1994-302384	19940405
EP 619277	B1	19981223		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				

JP 06305798	A	19941101	JP 1993-78024	19930405
JP 3420274	B2	20030623		
AU 9459194	A	19941006	AU 1994-59194	19940331
AU 691169	B2	19980514		
US 5432212	A	19950711	US 1994-222152	19940404
CA 2120575	A1	19941006	CA 1994-2120575	19940405
CN 1096774	A	19941228	CN 1994-105286	19940405
CN 1058474	C	20001115		
BR 9401392	A	19950606	BR 1994-1392	19940405
AT 174885	T	19990115	AT 1994-302384	19940405
ES 2125405	T3	19990301	ES 1994-302384	19940405
CN 1215034	A	19990428	CN 1998-116871	19980803
CN 1109000	C	20030521		
HK 1014182	A1	20000602	HK 1998-115465	19981224

PRIORITY APPLN. INFO.:

JP 1993-78024 A 19930405

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

AB A cement admixt. which when added to a cement composition, such as cement mortar or concrete inhibits slump loss of the cement composition and improve its workability and applicability. The admixt. is composed of copolymers from an alkenyl ether, a polyalkenyl ether and maleic anhydride.

IT 162006-20-4P

RL: PNU (Preparation, unclassified); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(slump-loss inhibitor; in concrete and mortar mixes for inhibition of slump loss)

RN 162006-20-4 CAPLUS

CN 2,5-Furandione, polymer with α -methyl- ω -[(2-methyl-2-propenyl)oxy]poly(oxy-1,2-ethanediyl) and $\alpha, \alpha', \alpha''$ -1,2,3-propanetriyltris[ω -[(2-methyl-2-propenyl)oxy]poly(oxy-1,2-ethanediyl)] (9CI) (CA INDEX NAME)

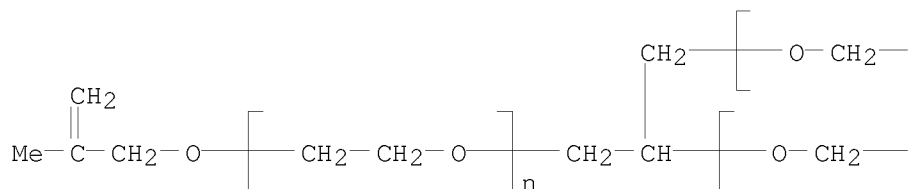
CM 1

CRN 162006-18-0

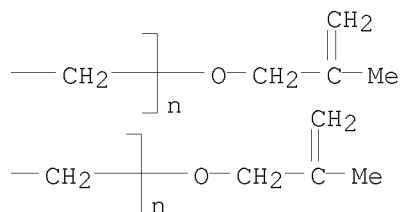
CMF (C2 H4 O)n (C2 H4 O)n (C2 H4 O)n C15 H26 O3

CCI PMS

PAGE 1-A



PAGE 1-B

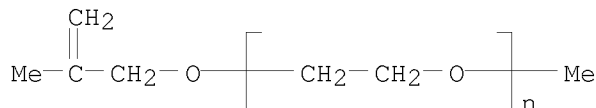


CM 2

CRN 121116-34-5

CMF (C2 H4 O)_n C5 H10 O

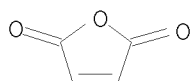
CCI PMS



CM 3

CRN 108-31-6

CMF C4 H2 O3



OS.CITING REF COUNT: 12 THERE ARE 12 CAPLUS RECORDS THAT CITE THIS RECORD (14 CITINGS)

L6 ANSWER 10 OF 15 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 1991:491659 CAPLUS

DOCUMENT NUMBER: 115:91659

ORIGINAL REFERENCE NO.: 115:15751a,15754a

TITLE: Isomerization of alk-2-enyl ethers

INVENTOR(S): Plotkin, Jeffrey S.

PATENT ASSIGNEE(S): GAF Chemicals Corp., USA

SOURCE: PCT Int. Appl., 29 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
WO 9103449	A1	19910321	WO 1990-US4323	19900806
W: AU, JP				
RW: AT, BE, CH, DE, DK, ES, FR, GB, IT, LU, NL, SE				
AU 9061520	A	19910408	AU 1990-61520	19900806
CA 2023565	A1	19910306	CA 1990-2023565	19900817
PRIORITY APPLN. INFO.:			US 1989-402400	A 19890905
			US 1989-407181	A 19890914
			WO 1990-US4323	A 19900806

OTHER SOURCE(S): MARPAT 115:91659

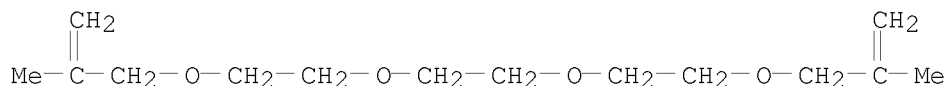
AB Isomerization of the title ethers [R1CH:CYCH2O(Z)_n]_xR [R = H, (substituted) C1-20 alkylene, phenylene, 3-6-membered heterocyclyl., etc.; R1 = H, C1-20 aryl, -alkaryl, -aralkyl, -alkyl, -alkoxy, or R1, together with the O of CH:CYCH2O forms a 4-6-membered heterocyclyl; Y = H, alkyl; Z = C1-10 alkylene, alkyleneoxy, etc.; n = 0-50; x = value consistent with the number of free valences in R], is achieved by using 0.1-20 weight% of supported Rh or Ru, where the amount of metal with respect to support is 0.05-10 weight%. Ru/Al₂O₃ (2 weight% concentration, comprising 5% transition metal)

was slurried with octyl allyl ether at 140° for 20 h under ambient
N pressure to give >99% conversion (GC) to the octyl prop-1-enyl ether.

IT 91520-52-4P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(preparation and isomerization of, catalysts for)

RN 91520-52-4 CAPLUS

CN 4,7,10,13-Tetraoxahexadeca-1,15-diene, 2,15-dimethyl- (CA INDEX NAME)



OS.CITING REF COUNT: 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD
(3 CITINGS)

REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 11 OF 15 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 1991:248011 CAPLUS

DOCUMENT NUMBER: 114:248011

ORIGINAL REFERENCE NO.: 114:41899a,41902a

TITLE: Manufacture of vinyl chloride polymers with high bulk
density and high porosity

INVENTOR(S): Amano, Tadashi; Hoshida, Shigehiro

PATENT ASSIGNEE(S): Shin-Etsu Chemical Industry Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 02305804	A	19901219	JP 1989-128145	19890522
US 5153284	A	19921006	US 1990-526994	19900522
PRIORITY APPLN. INFO.:			JP 1989-128145	A 19890522

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

AB Title vinyl chloride polymer is manufactured by suspension polymerizing in
water

vinyl chloride or monomer mixture mainly composed of vinyl chloride in the
presence of oil-soluble initiator and disperser containing partial saponified
poly(vinyl alc.), hydroxypropylmethylcellulose, and a crosslinked polymer
having CO₂H group. Thus, 38 kg vinyl chloride was suspension polymerized in
52 kg water in the presence of 30 g di-2-ethylhexylperoxy dicarbonate,
saponified poly(vinyl alc.) 15, hydroxypropylmethylcellulose (having methoxy
content 29 weight% and hydroxypropoxy content 10 weight%) 15, and crosslinked
polymer (composed of 100 parts acrylic acid and 1 parts diethylene glycol
bisallyl ether) 7.6 g at 57° to give PVC having bulk d. 0.57,
plasticizer absorption 23.0 weight%, and fish eye 2 counts/100 m², vs. 0.50,
23.5, and 3, resp., without crosslinked polymer.

IT 101060-98-4
RL: USES (Uses)
(dispersing agents, containing partial saponified poly(vinyl alc.) and
hydroxypropylmethylcellulose, for suspension polymerization of vinyl
chloride)

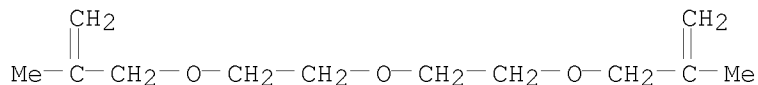
RN 101060-98-4 CAPLUS

CN 2-Propenoic acid, polymer with 3,3'-[oxybis(2,1-ethanedioxy)]bis[2-
methyl-1-propene] (9CI) (CA INDEX NAME)

CM 1

CRN 91520-51-3

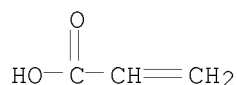
CMF C12 H22 O3



CM 2

CRN 79-10-7

CMF C3 H4 O2



L6 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 1989:155046 CAPLUS

DOCUMENT NUMBER: 110:155046

ORIGINAL REFERENCE NO.: 110:25663a,25666a

TITLE: Alkenyl ether-maleic anhydride copolymers

INVENTOR(S): Honda, Susumu; Yasukochi, Toru; Akimoto, Shinichi

PATENT ASSIGNEE(S): Nippon Oils & Fats Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 63223015	A	19880916	JP 1987-56454	19870313
JP 2890399	B2	19990510		

PRIORITY APPLN. INFO.: JP 1987-56454 19870313

AB The solid or gelled title copolymers are prepared from 5-50 mol B(OR1)a[O(AO)lR2]b[O(AO)mR3]c[O(AO)nH]d [B = residue of compound containing 2-8 OH; AO = (block) copolymer residue comprising ≥1 C2-18 oxyalkylene; R1, R2 = C2-5 alkenyl; R3 = C1-24 hydrocarbyl, acyl; a = 0-7; b = 0-8; c = 0-6; d = 0-6; a + b = 2-8; a + b + c + d = 2-8; c + d = 0-6; l, m, n = 0-1000; l + m + n = 1-3000], 20-90 mol maleic anhydride (I), and 0-50 mol polymerizable monomers. CH2:CHCH2O(C2H4O)9CH2:CH2 (33 mol%) and 67 mol% I were polymerized in the presence of Bz2O2 at 80° for 10 h to give a transparent elastic solid copolymer with sp. gr. 1.088 and softening temperature 180°, which was insol. in water or EtOH.

IT 119977-08-1P

RL: PREP (Preparation)

(rubbers, preparation of, solids or gels, transparent)

RN 119977-08-1 CAPLUS

CN 2,5-Furandione, polymer with α,α',α''-1,2,3-propanetriyltris[ω-[(2-methyl-2-propenyl)oxy]poly[oxy(methyl-1,2-ethanediyl)]] (9CI) (CA INDEX NAME)

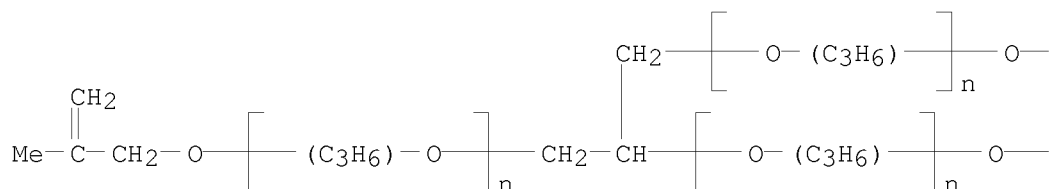
CM 1

CRN 119977-07-0

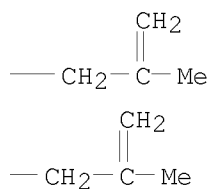
CMF (C3 H6 O)n (C3 H6 O)n (C3 H6 O)n C15 H26 O3

CCI IDS, PMS

PAGE 1-A



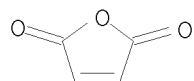
PAGE 1-B



CM 2

CRN 108-31-6

CMF C4 H2 O3



OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD
(1 CITINGS)

L6 ANSWER 13 OF 15 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 1986:130476 CAPLUS

DOCUMENT NUMBER: 104:130476

ORIGINAL REFERENCE NO.: 104:20661a, 20664a

TITLE: Polymerization of vinyl chloride in aqueous media

INVENTOR(S): Itoh, Kenichi; Noguki, Genji; Tanaka, Motoaki; Ohba, Hitoshi

PATENT ASSIGNEE(S): Shin-Etsu Chemical Co., Ltd., Japan

SOURCE: Eur. Pat. Appl., 16 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----

EP 166416	A2	19860102	EP 1985-107822	19850624
EP 166416	A3	19870128		
EP 166416	B1	19890913		
R: BE, DE, FR, GB, IT, NL, SE				
JP 61014205	A	19860122	JP 1984-134177	19840629
JP 04017202	B	19920325		
US 4694053	A	19870915	US 1985-748433	19850625
CA 1261542	A1	19890926	CA 1985-485267	19850626
NO 8502582	A	19851230	NO 1985-2582	19850627
NO 164602	B	19900716		
NO 164602	C	19901024		
ZA 8504866	A	19860226	ZA 1985-4866	19850627
CS 266570	B2	19900112	CS 1985-4727	19850627
BR 8503113	A	19860318	BR 1985-3113	19850628
HU 39754	A2	19861029	HU 1985-2548	19850628
PL 147170	B1	19890429	PL 1985-254241	19850628
RO 91617	B3	19870930	RO 1985-119359	19850629
DD 240021	A5	19861015	DD 1985-278021	19850701
CN 85105492	A	19870121	CN 1985-105492	19850718
CN 1005717	B	19891108		
US 33284	E	19900731	US 1987-126907	19871130
PRIORITY APPLN. INFO.:			JP 1984-134177	A 19840629
			EP 1985-107822	19850624
			US 1985-748433	A5 19850625

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

AB Vinyl chloride is polymerized in suspension in reactors (optionally coated with organic dyes or polar compds.) using monomer-soluble initiators in aqueous solns. containing water-soluble, crosslinked carboxylated copolymers and nonionic surfactants for reduced reactor scale formation. Thus, polymerization by bis(2-ethylhexyl) peroxydicarbonate in an aqueous solution containing 100:1 acrylic acid-diethylene glycol diallyl ether copolymer and surfactant (Span 20) was repeated 12 times before scale formed on the reactor walls.

IT 101060-98-4
 RL: USES (Uses)
 (scale inhibitor, in suspension polymerization of vinyl chloride)

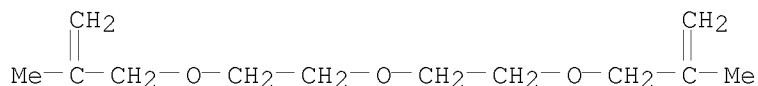
RN 101060-98-4 CAPLUS

CN 2-Propenoic acid, polymer with 3,3'-[oxybis(2,1-ethanedioxy)]bis[2-methyl-1-propene] (9CI) (CA INDEX NAME)

CM 1

CRN 91520-51-3

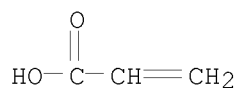
CMF C12 H22 O3



CM 2

CRN 79-10-7

CMF C3 H4 O2



L6 ANSWER 14 OF 15 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 1984:510887 CAPLUS

DOCUMENT NUMBER: 101:110887

ORIGINAL REFERENCE NO.: 101:16937a,16940a

TITLE: Synthesis of bis(bromomethyl) dimethyl crown ethers and complexation properties of their derivatives having electron-donating sidearms

AUTHOR(S): Nakatsuji, Yohji; Mori, Tsuneharu; Okahara, Mitsuo

CORPORATE SOURCE: Fac. Eng., Osaka Univ., Suita, 565, Japan

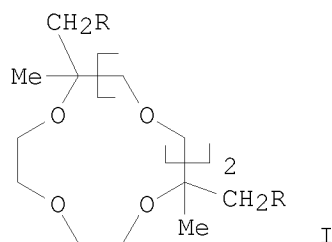
SOURCE: Tetrahedron Letters (1984), 25(20), 2171-4

CODEN: TELEAY; ISSN: 0040-4039

DOCUMENT TYPE: Journal

LANGUAGE: English

GI



AB Bis(bromomethyl)dimethyl crown ethers were prepared by cyclization of $\text{H}(\text{OCH}_2\text{CH}_2)_m\text{OCMe}(\text{CH}_2\text{Br})\text{CH}_2\text{O}(\text{CH}_2\text{CH}_2\text{O})_n\text{CH}_2\text{CMe}(\text{CH}_2\text{Br})\text{O}(\text{CH}_2\text{CH}_2\text{O})_m\text{H}$ ($n = 0-3$; $m = 1-3$), which were prepared by reacting $\text{CH}_2:\text{CMeCH}_2\text{O}(\text{CH}_2\text{CH}_2\text{O})_n\text{CH}_2\text{CMe}:\text{CH}_2$ with $\text{HO}(\text{CH}_2\text{CH}_2\text{O})_n\text{H}$, in the presence of an appropriate template cation. Cis and trans isomers of 2,9-bis(bromomethyl)-2,9-dimethyl-15-crown-5 (I, $\text{R} = \text{Br}$) were separated and the structure inferred from complexation of I ($\text{R} = \text{Br}$, $\text{OCH}_2\text{CH}_2\text{OMe}$) with Na^+ and K^+ .

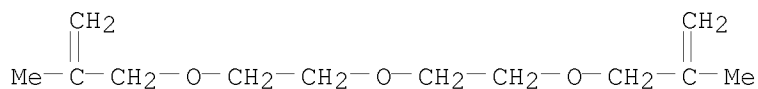
IT 91520-51-3 91520-52-4

RL: RCT (Reactant); RACT (Reactant or reagent)

(reaction of, with oligoethylene glycols and bromosuccinimide)

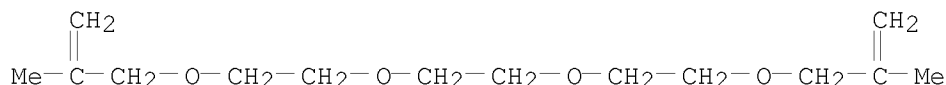
RN 91520-51-3 CAPLUS

CN 1-Propene, 2-methyl-3-[2-[2-[(2-methyl-2-propen-1-yl)oxy]ethoxy]ethoxy]- (CA INDEX NAME)



RN 91520-52-4 CAPLUS

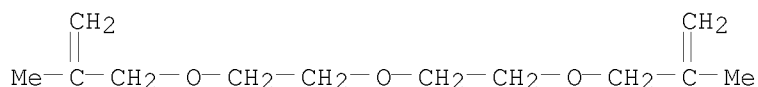
CN 4,7,10,13-Tetraoxahexadeca-1,15-diene, 2,15-dimethyl- (CA INDEX NAME)



OS.CITING REF COUNT: 11 THERE ARE 11 CAPLUS RECORDS THAT CITE THIS RECORD (11 CITINGS)

L6 ANSWER 15 OF 15 CAPLUS COPYRIGHT 2010 ACS on STN
 ACCESSION NUMBER: 1940:41241 CAPLUS
 DOCUMENT NUMBER: 34:41241
 ORIGINAL REFERENCE NO.: 34:6300i,6301a-b
 TITLE: Unsaturated ethers
 INVENTOR(S): Britton, Edgar C.; Slagh, Harold R.
 PATENT ASSIGNEE(S): Dow Chemical Co.
 DOCUMENT TYPE: Patent
 LANGUAGE: Unavailable
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	US 2201074		19400514	US 1939-253381	19390128
AB	An unsatd. ether of the general formula ROYOY'OR' in which R and R' each represents an allyl or 2-methylallyl radical and Y and Y' each represents a lower alkylene radical is formed by reaction of the Na salt of allyl alc. or 2-methylallyl alc. with a dihaloalkyl ether. Details are given of the production of: diallyloxy dimethyl ether, b8 about 66°; di-2-methylallyloxy dimethyl ether, b10 88-91°; β,β'-di(allyloxy) diethyl ether, b10 96-99°; and β,β'-di(2-methylallyloxy) diethyl ether, b. about 234-8° at atmospheric pressure, and general mention is made of the production of other ethers. Such ethers may be treated with polystyrene during polymerization to obtain resinous products of good properties, and may be added in small proportion to CCl4, ethylene or propylene chlorides, etc., to inhibit their corrosive action on metals of containers or other equipment.				
IT	91520-51-3P, Ether, bis[2-(2-methylallyloxy)ethyl] RL: PREP (Preparation) (preparation of)				
RN	91520-51-3 CAPLUS				
CN	1-Propene, 2-methyl-3-[2-[2-[(2-methyl-2-propen-1-yl)oxy]ethoxy]ethoxy]- (CA INDEX NAME)				



OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)

=> FIL REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	99.65	486.11
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION

CA SUBSCRIBER PRICE

-12.75

-12.75

FILE 'REGISTRY' ENTERED AT 14:42:45 ON 07 JAN 2010
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2010 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 6 JAN 2010 HIGHEST RN 1201136-14-2
DICTIONARY FILE UPDATES: 6 JAN 2010 HIGHEST RN 1201136-14-2

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 26, 2009.

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=> S 896113-18-1/RN

L7 1 896113-18-1/RN

=> SET NOTICE 1 DISPLAY

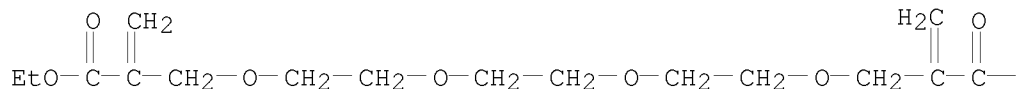
NOTICE SET TO 1 U.S. DOLLAR FOR DISPLAY COMMAND
SET COMMAND COMPLETED

=> D L7 SQIDE 1-

YOU HAVE REQUESTED DATA FROM 1 ANSWERS - CONTINUE? Y/(N):y
THE ESTIMATED COST FOR THIS REQUEST IS 7.00 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:y

L7 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2010 ACS on STN
RN 896113-18-1 REGISTRY
CN 4,7,10,13-Tetraoxahexadecanedioic acid, 2,15-bis(methylene)-, 1,16-diethyl
ester (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 4,7,10,13-Tetraoxahexadecanedioic acid, 2,15-bis(methylene)-, diethyl
ester (9CI)
MF C18 H30 O8
CI COM
SR CA
LC STN Files: CA, CAPLUS
DT.CA CAplus document type: Patent
RL.P Roles from patents: USES (Uses)

PAGE 1-A



PAGE 1-B

—OEt

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> SET NOTICE LOGIN DISPLAY

NOTICE SET TO OFF FOR DISPLAY COMMAND
SET COMMAND COMPLETED

=>

=>

=> file reg		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	15.82	501.93
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-12.75

FILE 'REGISTRY' ENTERED AT 14:59:27 ON 07 JAN 2010
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2010 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 6 JAN 2010 HIGHEST RN 1201136-14-2
DICTIONARY FILE UPDATES: 6 JAN 2010 HIGHEST RN 1201136-14-2

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 26, 2009.

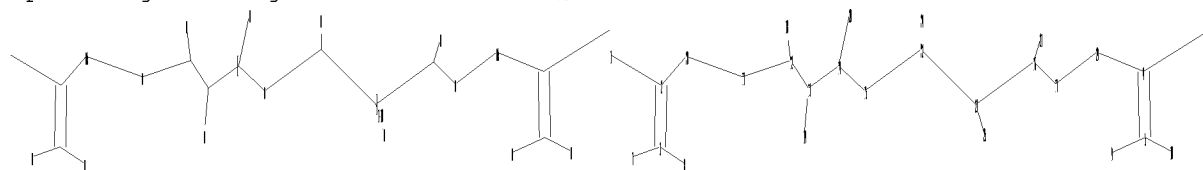
Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\STNEXP\Queries\10567430clm53.str



chain nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
24 25 28 29

chain bonds :

1-2 2-3 2-28 3-7 3-8 4-6 4-5 4-29 5-9 5-10 11-12 11-28 12-13 12-18
13-14 13-19 14-15 14-20 15-22 16-21 16-17 16-23 17-29 22-23 22-24 23-25

exact/norm bonds :

2-28 4-29 11-12 11-28 14-15 15-22 16-17 17-29

exact bonds :

1-2 2-3 3-7 3-8 4-6 4-5 5-9 5-10 12-13 12-18 13-14 13-19 14-20 16-21
16-23 22-23 22-24 23-25

Match level :

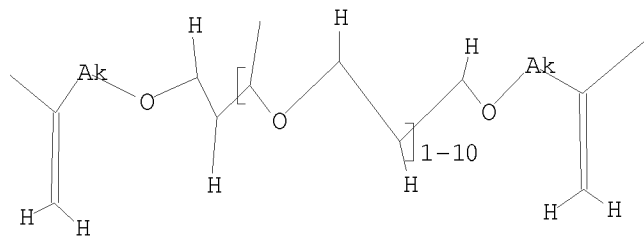
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:CLASS 11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS
18:CLASS 19:CLASS 20:CLASS 21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS
28:CLASS 29:CLASS

L8 STRUCTURE UPLOADED

=> d 18

L8 HAS NO ANSWERS

L8 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 18 sss sam

SAMPLE SEARCH INITIATED 15:04:34 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 4219 TO ITERATE

47.4% PROCESSED 2000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

2 ANSWERS

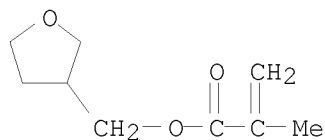
FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
 PROJECTED ITERATIONS: 80485 TO 88275
 PROJECTED ANSWERS: 2 TO 207

L9 2 SEA SSS SAM L8

=> d scan

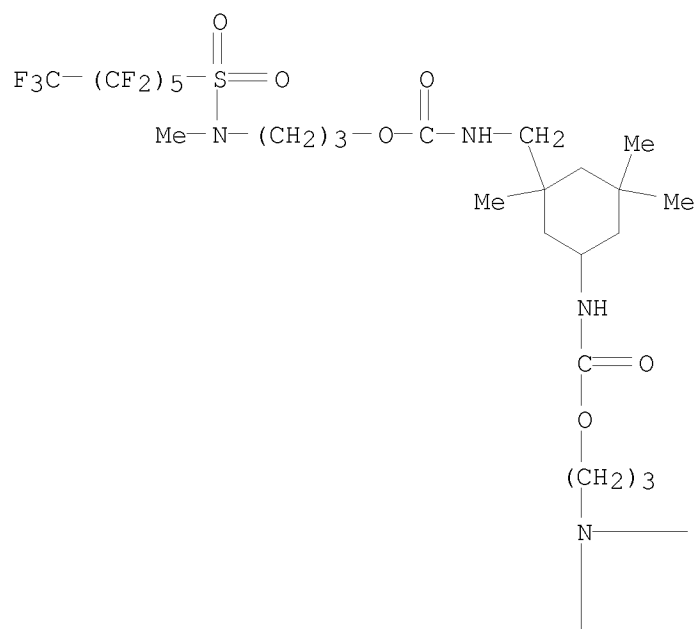
L9 2 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
 IN 2-Propenoic acid, 2-chloro-, 6-[[[[[3-[[[1,14-dioxo-14-[[3,5,5-trimethyl-5-
 [[[[3-[methyl[(tridecafluorohexyl)sulfonyl]amino]propoxy]carbonyl]amino]me
 thyl]cyclohexyl]amino]-6,9-bis[3-[[[[3,5,5-trimethyl-5-[[[[3-
 [methyl[(tridecafluorohexyl)sulfonyl]amino]propoxy]carbonyl]amino]methyl]c
 yclohexyl]amino]carbonyl]oxy]propyl]-2,13-dioxo-6,9-diazatetradec-1-
 yl]amino]-3,5,5-trimethylcyclohexyl]methyl]amino]carbonyl]oxy]hexyl ester,
 polymer with (2-hydroxy-1,3-propanediyl)bis[oxy(2-hydroxy-3,1-
 propanediyl)] bis(2-methyl-2-propenoate), 2-(phosphonoxy)ethyl
 2-methyl-2-propenoate and (tetrahydro-3-furanyl)methyl
 2-methyl-2-propenoate (9CI)
 MF (C101 H149 Cl F39 N13 O24 S3 . C17 H28 O9 . C9 H14 O3 . C6 H11 O6 P)x
 CI PMS

CM 1

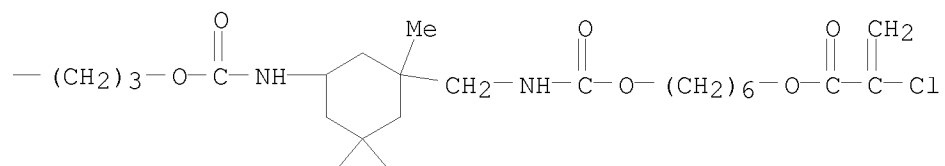


CM 2

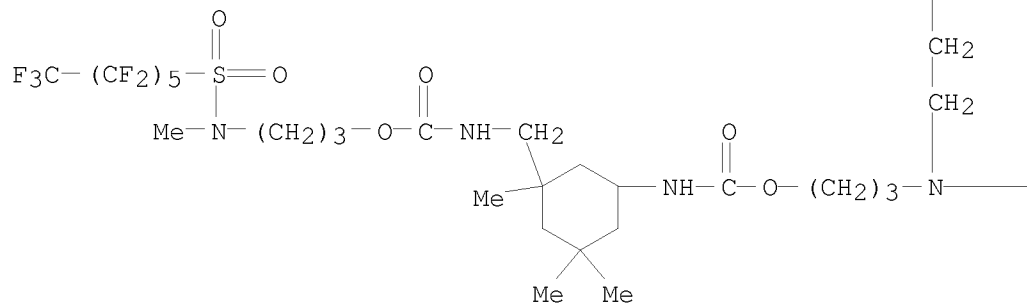
PAGE 1-A



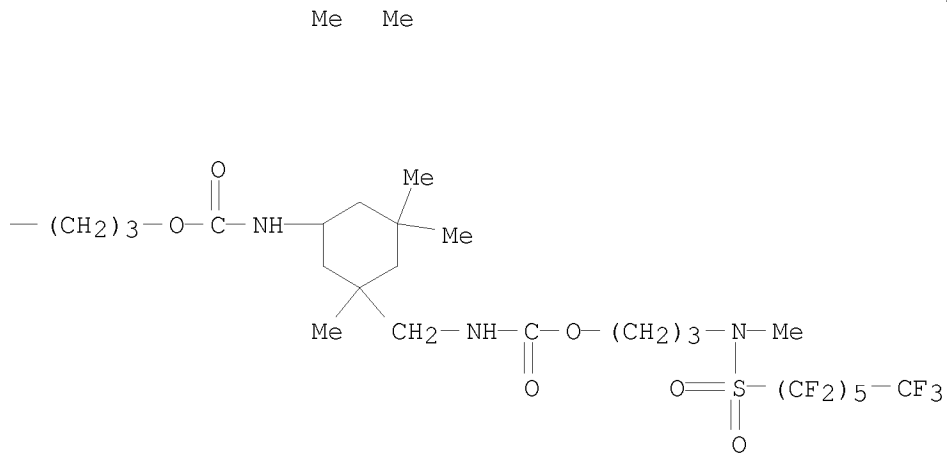
PAGE 1-B



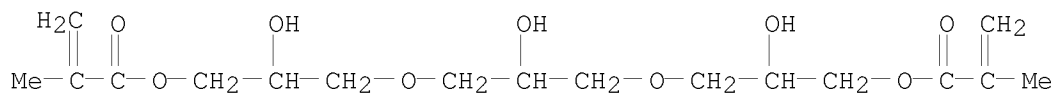
PAGE 2-A



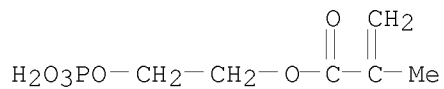
PAGE 2-B



CM 3



CM 4



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> log off

ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y) /N/HOLD:y

STN INTERNATIONAL LOGOFF AT 15:08:09 ON 07 JAN 2010

